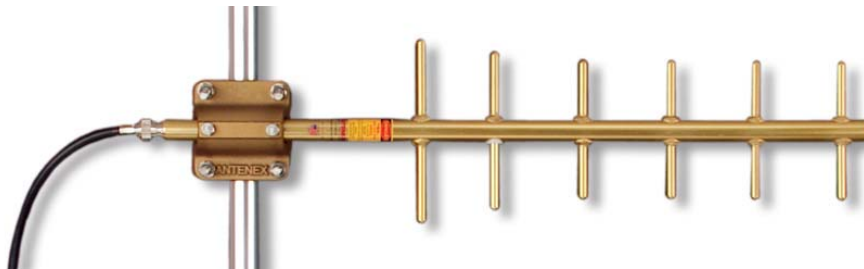


## Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded  
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**  
Memo: **Spec**  
Page: **1 of 4**  
Date: **3/10/2006**



### ELECTRICAL

Frequency Range:	896 - 970 MHz
Frequency Bandwidth:	74 MHz
VSWR:	< 2.0:1
Return Loss:	-10dB max
Nominal Gain:	9 dBd
Front to Back Ratio:	20 dB
Maximum Power:	300 W
Nominal Impedance:	50Ω
Polarization:	Vertical or Horizontal
Pattern:	Directional
Horizontal Beamwidth: (For Horizontal Polarization)	56°
Vertical Beamwidth: (For Vertical Polarization)	52°
Tuning:	Fixed Tune
Transmitting / Receiving:	Both

### MOUNTING

**Included:** Heavy Duty Cast mount bracket accommodates 7/8" mast

### MECHANICAL

<b>Material:</b>	Aluminum
<b>Length:</b>	27.688"
<b>Height:</b>	6.75"
<b>Boom Diameter:</b>	0.875"
<b>Weight:</b>	3.9 lbs
<b>Rated Wind Velocity:</b>	150mph (241kph)
<b>Rated Wind Velocity (with 0.5" radial ice)</b>	80mph (130kph)
<b>Equivalent Flat Area:</b>	0.2492 sq. ft.
<b>Cable:</b>	None
<b>Termination:</b>	N-female connector
<b>Color:</b>	Gold or Black Anodized
<b>Lightning Protection:</b>	Lightning Arrestor LABH350NN (Sold Separately)



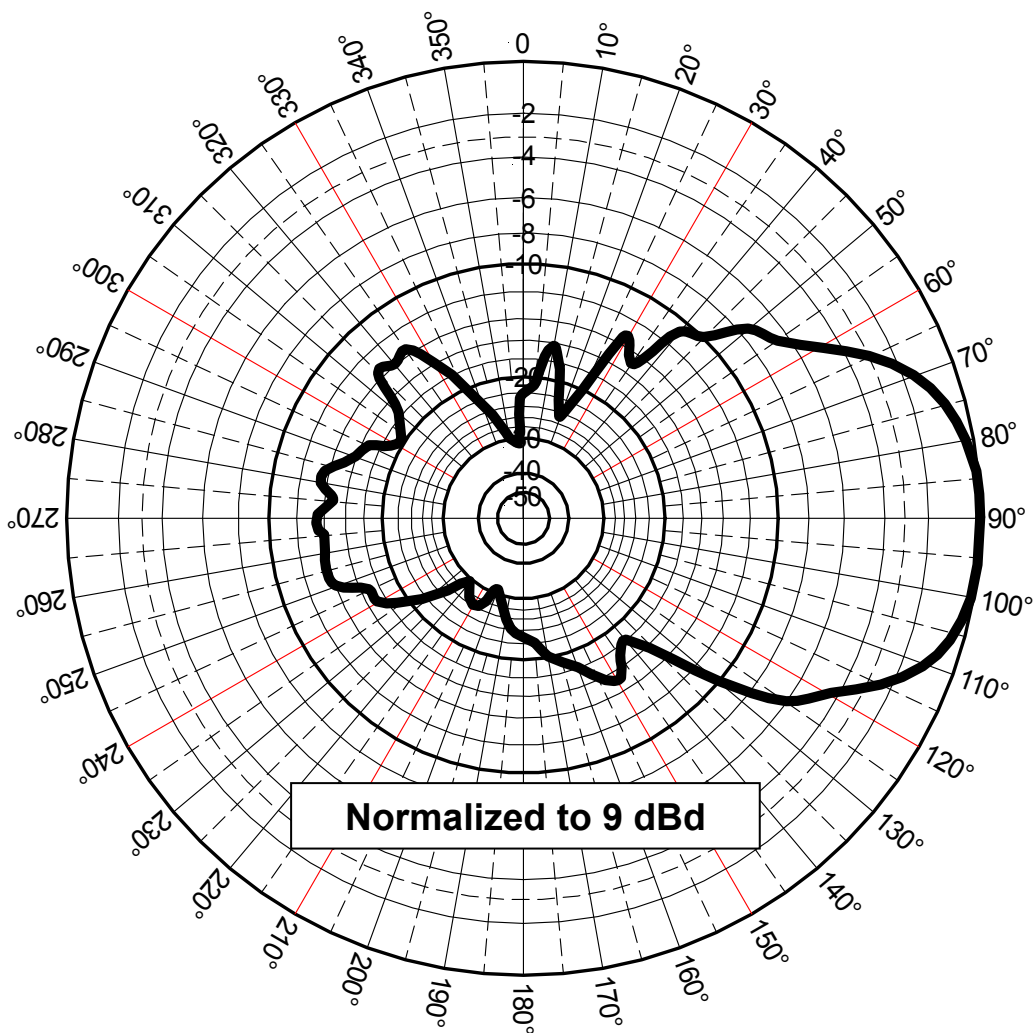


## Product Specification

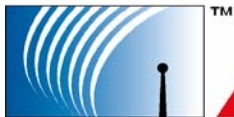
**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded  
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Part #: **Y(B)8966**  
Memo: **Spec**  
Page: **2 of 4**  
Date: **3/10/2006**

## ANTENNA RADIATION PATTERN



**Vertical-to-Vertical Polarization  
Azimuthal Pattern (X, Y or E-Plane)**

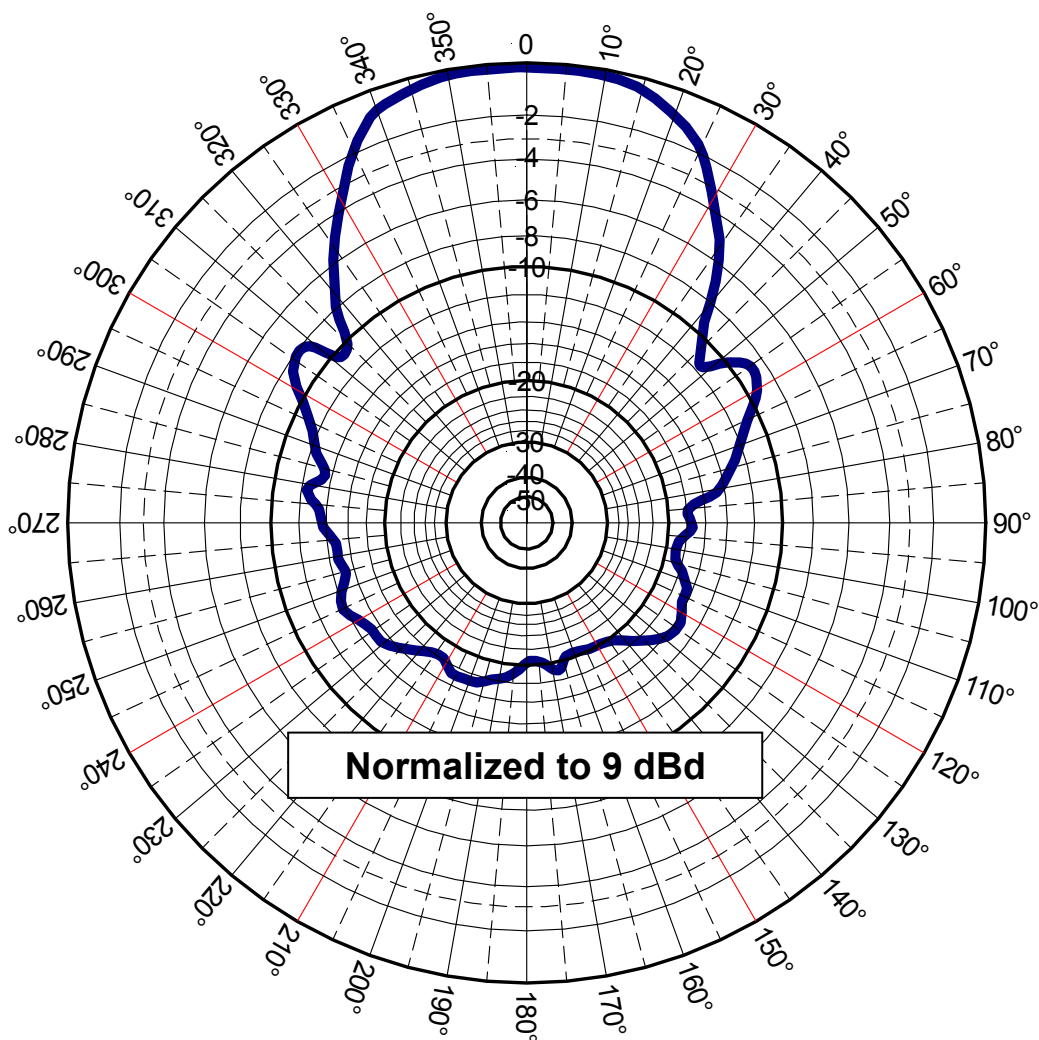


## Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded  
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**  
Memo: **Spec**  
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## ANTENNA RADIATION PATTERN



**Horizontal-to-Horizontal Polarization  
Elevation Pattern (Y, Z or H-Plane)**

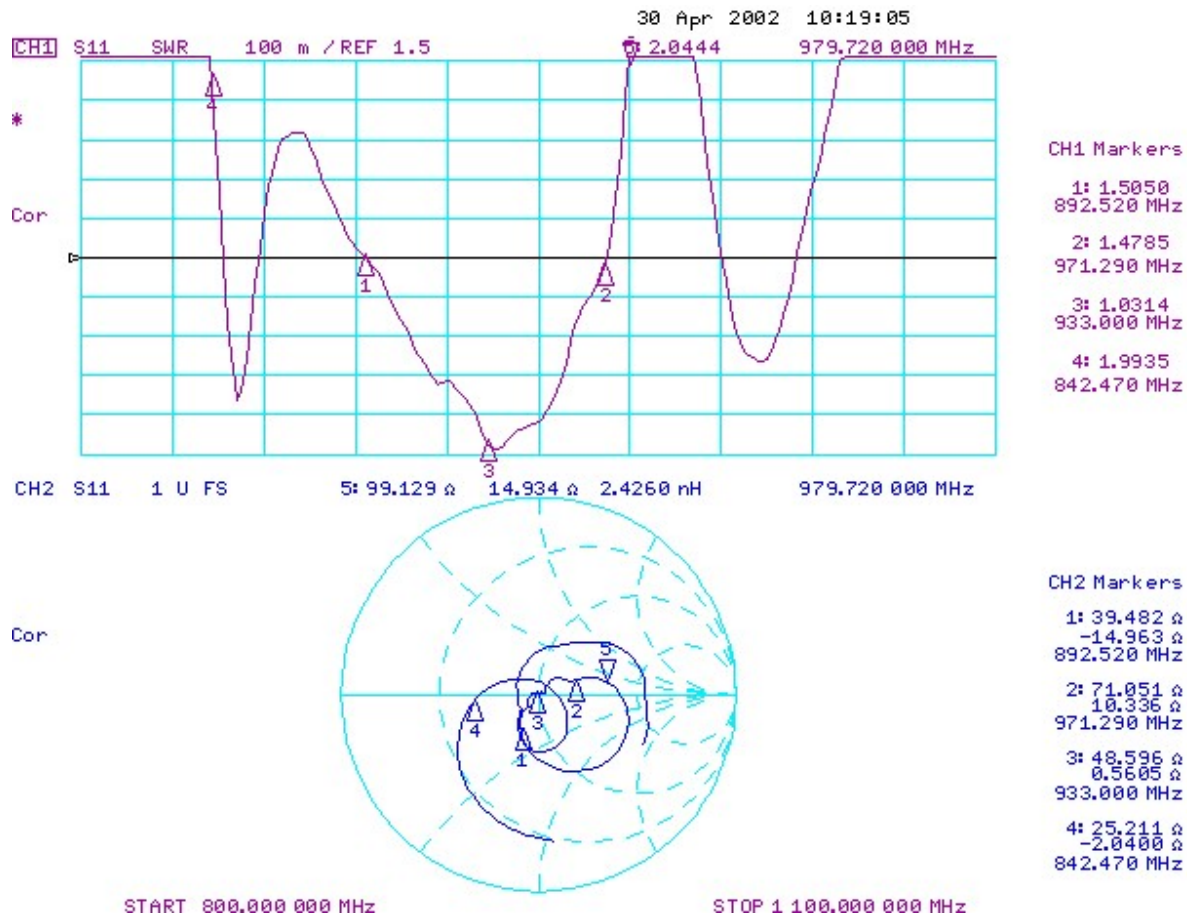


## Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded  
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**  
Memo: **Spec**  
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Date: **3/10/2006**

### VSWR of Y8966



### **Y8966 Typical VSWR sweeps – Primary Specifications**

Marker 1: 1.5050 to 1 @ 892 MHz  
Marker 2: 1.4785 to 1 @ 971 MHz  
Marker 3: 1.0314 to 1 @ 933 MHz

### **Y8966 Typical VSWR sweeps – Secondary Specifications**

Marker 4: 1.9935 to 1 @ 842 MHz  
Marker 5: 2.0444 to 1 @ 979 MHz

12/19/2002